Roland

M-400 RCS

Version 2

User's Guide

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Contents

Introduction

About M-400 RCS

M-400 RCS is application software that runs on Windows (XP, Vista or 7) or Mac. It lets you edit M-400 project files, and remotely control the M-400.

The screen of M-400 RCS is designed to resemble the screen and controllers of the M-400 itself, and the method of operation is also essentially the same as on the M-400. This means that the operations you've become familiar with on the M-400 can be used on M-400 RCS, and also that you can use M-400 RCS to familiarize yourself with operations of the M-400 itself.

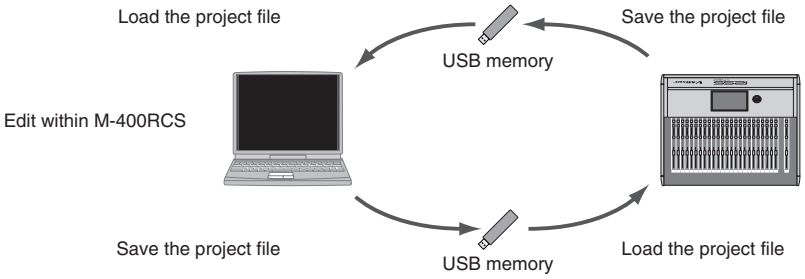
The contents of this document are written with the assumption that the user has all of the basic knowledge and skills required to operate a computer. Please read the owner's manual of your computer if you have questions regarding basic operations.

The two modes of M-400 RCS

M-400 RCS has two modes: Offline mode and Online mode.

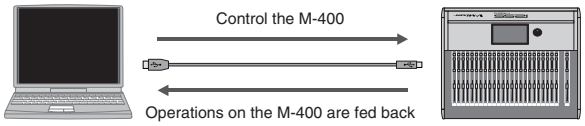
Offline mode

In this mode you can edit an M-400 project file via USB memory. The advantage of this mode is that you can edit mixer parameters and scene memories even when the M-400 itself is not at hand.



Online mode

In this mode you can connect your computer to the M-400 via USB, and control the M-400 remotely. Since M-400 RCS lets you use your mouse and keyboard to control the M-400, you can operate it in a more intuitive manner. In addition, M-400 RCS can show a separate screen that is different from the screen shown on the M-400 itself, letting you view and edit more information simultaneously.



MEMO

You can also create a new project file in M-400 RCS and load it into the M-400.

Differences from the M-400 itself

M-400 RCS cannot monitor the audio signals within the M-400. Nor can it operate the following screens, parameters, and buttons.

- SYSTEM screen
- RECORDER screen
- USER screen
- USER FADER layer
- USER button
- MONITOR LEVEL knob setting
- PHONES LEVEL knob setting
- TALKBACK MIC LEVEL knob setting
- [TALKBACK] button
- [SOLO CLEAR] button

The following functionality cannot be used while the M-400 console displays the analyzer function or the M-48 SOURCE LEVEL/PAN popup.

- The analyzer in the GEQ EDIT popup
- The analyzer in the METER screen Analyzer tab
- The meters of the M-48 SOURCE LEVEL/PAN popup

Operating requirements

Supported OS	Windows XP Home Edition/Professional Windows Vista Windows 7 * M-480 RCS does not work with Windows XP Media Center Edition. Mac OS X 10.5.8 or later
Supported computers	A computer that provides a USB connector complying with USB Specification Revision 1.0 or later USB
CPU	Windows: Pentium/Celeron or compatible processor, 1.6 GHz or faster * We cannot make guarantees regarding the compatibility of processors. Mac: Intel Processor
Memory	Windows: 512 MB or more Mac: 1 GB or more
Screen resolution and color depth	1024 x 768 pixels or higher, 65,536 colors (16-bit color) or higher

* *This software has been found to work on typical computers that meet the above requirements, but we do not guarantee that it will operate on all such computers. Please be aware that differences in design or conditions of use may produce differences in the processing power of otherwise similar computers.*

* *You can connect the M-400 to a USB connector that supports USB 2.0. However, even when connected to a USB 2.0 connector, it will operate only as a USB 1.0/1.1 device. This will not affect the performance of the M-400 console itself.*

Installing M-400 RCS

Copy the "M-400 RCS" folder to the drive of your computer.

Uninstalling M-400 RCS

Delete the "M-400 RCS" folder that you copied to the drive of your computer.

About the M-400 Driver

In order for M-400 RCS to remotely control the M-400 console, the M-400 Driver (for Windows or Mac) must be installed in your computer.

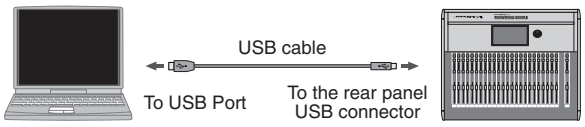
Download the most recent version of the driver from the following website. For details on installing the M-400 Driver, refer to the document (HTML file) included with the driver.

http://www.rolandsystemsgroup.net/

Connection to the M-400

In order to remotely control the M-400 console from M-400 RCS, you'll need to connect the M-400 to your computer using a USB cable.

Use a USB cable to connect the M-400 to your computer as shown in the illustration below.



MEMO

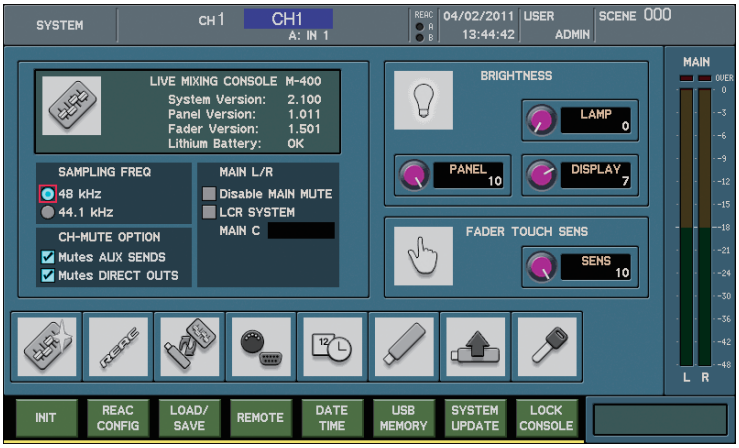
Use a commercially available USB cable (one that supports USB 1.1 or later, and has a male type A connector and a male type B connector).

Settings on the M-400 console

In order to remotely control the M-400 from M-400 RCS, make the following settings on the M-400.

1 **Start up the M-400.**

2 **Press [SYSTEM] to access the SYSTEM screen.**



3 **Press [F4 (REMOTE)] to access the REMOTE popup.**

4 Press [F2 (USB MIDI)] to access the USB MIDI tab.

5 In the RECEIVE section, select the “Sys Ex” button.

6 In the SEND section, select the “Sys Ex” button.

Starting and exiting the application

Starting the application

1

In the “M-400 RCS” folder, double-click “M-400 RCS”.

The application will start up, and the M-400 RCS window will appear.

MEMO

A new project will be opened when the application starts.

Exiting the application

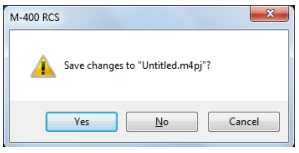
1

In the M-400 RCS window,

Windows: From the “File” menu, choose “Exit”.

Mac: From the “M-400 RCS” menu, choose “Quit M-400 RCS”.

A message box will appear, asking you to confirm whether you want to save the current project.



- If you click “Yes,” the current project will be saved.
- If you click “No,” the current project will not be saved.

You will exit the application.

Names of things and what they do

M-400 RCS window

Basic screen area

This shows a screen of the same design as the screen of the M-400 console itself. You can use the mouse and keyboard to perform operations in this screen.

☞ **"Operations in the main screen area"** (p. 14)

Mode button

This switches the mode of M-400 RCS.

- **Offline mode**

- **Online mode**

☞ **"Switching between modes"** (p. 18)

Screen recall buttons

These buttons switch the content of the basic screen area. The button corresponding to the currently shown screen or popup is shown in blue.

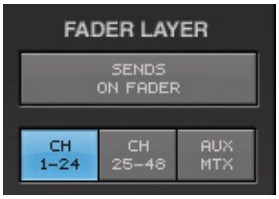
CH DISP button	Accesses the CHANNEL DISPLAY screen.
METER button	Accesses the METER screen.
EFFECTS button	Accesses the EFFECTS screen.
PATCHBAY button	Accesses the PATCHBAY screen.
DCA GROUP button	Accesses the DCA GROUP screen.
MUTE GROUP button	Accesses the MUTE GROUP screen.
TALKBACK/OSC button	Accesses the TALKBACK/OSC screen.
MONITOR button	Accesses the MONITOR screen.
GATE/EXP button	Accesses the GATE/EXPANDER popup.
COMP button	Accesses the COMPRESSOR popup or LIMITER popup.
EQ button	Accesses the EQUALIZER popup.
AUX SENDS button	Accesses the AUX SENDS popup.
HELP button	Accesses the HELP popup.

Scene memory buttons

These buttons perform scene memory operations for M-400 RCS.

SCENE button	Accesses the SCENE screen in the basic screen area. This button is shown in blue while the SCENE screen is displayed.
PREV button	Decrements the scene number by one.
NEXT button	Increments the scene number by one.
RECALL button	Recalls the mixer parameters from the currently selected scene number.
STORE button	Stores the current mixer parameters to the selected scene number.

Fader layer buttons



These buttons switch the layer operated by fader modules 1–24. The currently selected layer is shown in blue.

SENDS ON FADER button	Accesses the SENDS ON FADER panel.
CH1-24 button	Assigns CH1–CH24 to fader modules 1–24.
CH25-48 button	Assigns CH25–CH48 to fader modules 1–24.
AUX/MTX button or AUX/DCA button	Assigns AUX1–AUX16 and MATRIX1–MATRIX8, or AUX1–AUX16 and DCA1–DCA8 to fader modules 1–24.

Fader modules 1–24

Use these faders to operate the input channels, AUX channels, MATRIX channels, and DCA channels.

SEL button	Selects the corresponding channel. The button of the selected channel is shown in green.
SOLO button	Turns a channel's Solo on/off. The button is shown in orange if Solo is on.
MUTE button	Turns a channel's Mute on/off. The button is shown in red if Mute is on.
Fader	Adjusts the signal level of the channel.

MEMO

Adjustments made to a selected channel strip in M-400 RCS will be reflected in the appropriate M-400 channel strip, but the M-400 display will not switch its display to your selected channel strip in the M-400 RCS.

Main fader module

This fader controls the MAIN L/R.

SEL button	Selects the MAIN L/R channel. The button is shown in green when selected.
SOLO button	Turns the MAIN L/R channel's Solo on/off. The button is shown in orange if Solo is on.
Fader	Adjusts the signal level of the MAIN L/R channel.

MEMO

Toggling the SEL button, you will alternate between selecting the MAIN L channel and the MAIN R channel.

SENDS ON FADER Panel

This panel is shown when SENDS ON FADER button is on.

AUX SELECT 1–16 buttons	Selects the send-destination AUX.
SENDS ON FADER button	Closes the SENDS ON FADER panel.
CH1-24 button	Assigns CH1–CH24 to fader modules 1–24.
CH25-48 button	Assigns CH25–CH48 to fader modules 1–24.
AUX/MTX button or AUX/DCA button	Assigns AUX1–AUX16 and MATRIX1–MATRIX8, or AUX1–AUX16 and DCA1–DCA8 to fader modules 1–24.

Operations in the main screen area

The mouse and keyboard are used to perform operations in M-400 RCS's main screen area.

Cursor movement

- Up/down/left/right cursor keys

MEMO

The cursor is indicated by a red frame in the Basic screen area. In M-400 RCS, the cursor exists only within the Basic screen area.

Button operations

- Click a button to turn it on/off
- Move the cursor to a button and press the Enter key to turn it on/off

Function button operations

- Click
- Keyboard "F1" – "F8" keys

Knob operations

- Drag a knob up/down or left/right
- Move the cursor to a knob, and then use the mouse wheel to increase/decrease the value
- Move the cursor to a knob, and press the Page Up key to increase the value or the Page Down key to decrease it
- Move the cursor to a knob, and press the + key to increase the value or the - key to decrease it

MEMO

You can make fine adjustments by holding down the Shift key while you operate a knob or a fader.

Fader operations

- Drag a fader knob up/down
- Move the cursor to a fader, and then use the mouse wheel to increase/decrease the value
- Move the cursor to a fader, and press the Page Up key to increase the value or the Page Down key to decrease it
- Move the cursor to a fader, and press the + key to increase the value or the - key to decrease it

MEMO

By clicking while you hold down the Ctrl key, you can reset the fader value to 0.0 dB.

Send level bar operations

- Drag the bar to left/right
- Move the cursor to a send level bar, and use the mouse wheel to increase/decrease the value
- Move the cursor to a send level bar, and press the Page Up key to increase the value or the Page Down key to decrease it
- Move the cursor to a send level bar, and press the + key to increase the value or the - key to decrease it

MEMO

By clicking while you hold down the Ctrl key, you can reset the value of the send level bar to 0.0 dB.

List operations

- Use the up/down cursor keys to change the selected item
- Use the mouse wheel to change the selected item
- Drag the scroll bar up/down to scroll the list

Entering a name

In the name entry field of the NAME EDIT popup, you can use the keyboard to enter a name.

About the menus

Windows

File menu

- **New Project** — Opens a new project.
- **Open Project...** — Opens an existing project.
- **Save Project** — Saves the current project (by overwriting it onto the existing file).
- **Save Project As...** — Saves the current project with a different name that you specify.
- **Exit** — Exits M-400 RCS.

MEMO

If you open a project while online, M-400 RCS will switch to offline operation.

Setup menu

- **REAC Config...** — Opens the REAC Config dialog box (p. 21).
- **Initialize...** — Initializes the settings (p. 23).
- **Preferences...** — Opens the Preferences dialog box (p. 24).
- **LCR Setup...** — Opens the LCR Setup dialog box (p. 26).
- **System Setup...** — Opens the System Setup dialog box (p. 27).

MEMO

The REAC Config dialog box is available only when M-400 RCS is operating offline.

Help menu

- **About M-400 RCS...** — Opens the About M-400 RCS dialog box, which shows the software version of M-400 RCS.

Mac

M-400 RCS menu

- **About M-400 RCS...** — Opens the About M-400 RCS dialog box, which shows the software version of M-400 RCS.
- **Preferences...** — Opens the Preferences dialog box (p. 24).
- **Quit M-400 RCS** — Quits M-400 RCS.

File menu

- **New Project** — Opens a new project.
- **Open Project...** — Opens an existing project.
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- **Save Project As...** — Saves the current project with a different name that you specify.

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MEMO

The REAC Config dialog box is available only when M-400 RCS is operating offline.

Opening and saving a project

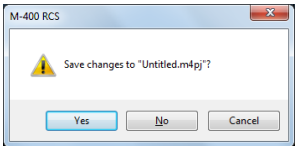
Opening a project

Opening a new project

1

From the “File” menu, choose “New Project.”

A message box will appear, asking you to confirm whether you want to save the current project.



- If you click “Yes,” the current project will be saved.
- If you click “No,” the current project will not be saved.

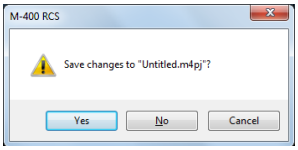
A new project will open.

Opening an existing project file

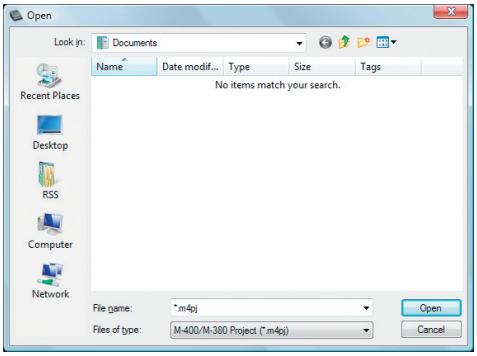
1

From the “File” menu, choose “Open Project.”

A message box will appear, asking you to confirm whether you want to save the current project.



- If you click “Yes,” the current project will be saved.
- If you click “No,” the current project will not be saved.



The “Open” dialog box will appear.

2

Select the desired project file, and click the “Open” button.

The selected project will open.

MEMO

Project files saved by the M-400 console itself will be located in the USB memory’s “\RSS\M-400\PROJ” folder.

Saving a project

Saving a project under its current name (Overwrite)

1

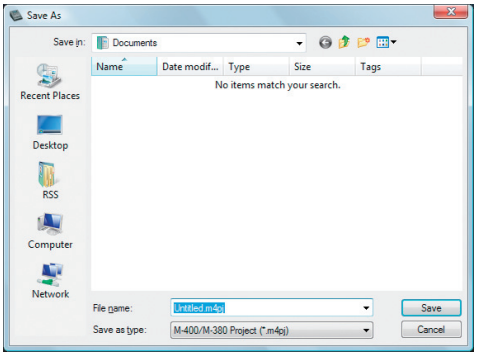
From the “File” menu, choose “Save Project.”

The project will be saved under its current name, overwriting the existing file.

Saving a project under a different name

1

From the “File” menu, choose “Save Project As.”



The “Save As...” dialog box will appear.

2

Specify the file name and location in which you want to save the project, and click the “Save” button.

The project will be saved.

When a project file saved by M-400 RCS is loaded directly by the M-400 console, the following settings will not be loaded.

- Settings of the SYSTEM screen (INTERNAL SAMPLING FREQ, BRIGHTNESS, FADER TOUCH SENSE)
- REAC SETUP settings of the REAC CONFIG popup
- REMOTE popup settings
- USER settings

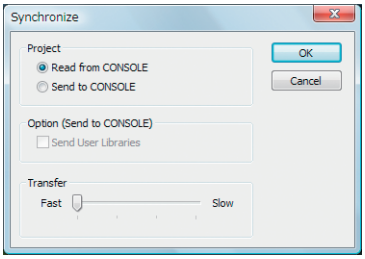
MEMO

If you want to save a project file that you intend to load into the M-400 console itself, save the file in your USB memory’s “\RS\M-400\PROJ” folder.

Switching between modes

Switching to online mode

1 **Click the ONLINE button.**



The “Synchronize” dialog box will appear.

2 **In the “Project” field, specify the project to which you will synchronize: the project on the M-400 console or the project in M-400 RCS.**

Read from CONSOLE	The project will be loaded from the M-400 console into M-400 RCS.
Send to CONSOLE	The project will be sent from M-400 RCS to the M-400 console.

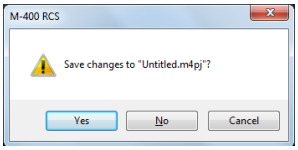
3 **If you selected “Send to CONSOLE” in step 2, use the “Option (Send to CONSOLE)” field to specify whether you want to send the user library.**

If you select the “Send User Libraries” option, the user library will be sent from M-400 RCS to the M-400 console.

4 **Click “OK.”**

If you selected “Read from CONSOLE” in step 2, the current project will be closed, a new project will be opened, and then synchronization will begin.

A message box will ask whether you want to save the current project.



- If you click “Yes,” the current project will be saved (by overwriting).
- If you click “No,” the current project will not be saved.
- If you click “Cancel,” project synchronization will be cancelled.

MEMO

M-400 RCS will be in offline mode when you start up or when you open a project file.

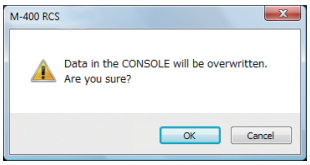
MEMO

Before you continue, start up the M-400 console, and use a USB cable to connect it to your computer.

MEMO

“Send User Libraries” will overwrite current libraries unless they are locked. Be sure to lock or save any needed M-400 libraries to USB memory prior to sending.

If you selected “Send to CONSOLE” in step 2, a message box will ask you to confirm the project synchronization.

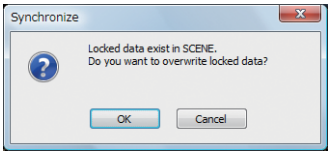


When you click “OK,” project synchronization will begin.

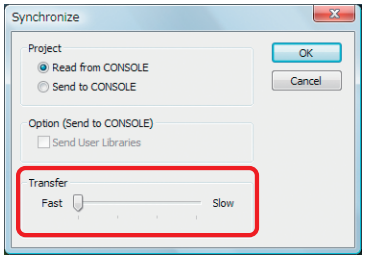
5 **When project synchronization is completed, M-400 RCS will switch to online mode.**

In online mode, you’ll be able to remotely control the M-400 console from M-400 RCS.

If you selected “Send to CONSOLE” in step 2 and the M-400’s scene memory or user library contains any locked data, a message box will ask you whether you want to overwrite the data. If you click “OK,” the data will be overwritten. If you click “Cancel,” project synchronization will be cancelled.



On the “Synchronize” dialog box, you can adjust the data transfer speed.
If an error is shown while synchronization, set the “Transfer” slider to “Slow” position.



MEMO

The M-400 console will show a progress message while the project is being synchronized. Operations on the M-400 will be disabled during this time.

Switching to offline mode

1

Click the ONLINE button.

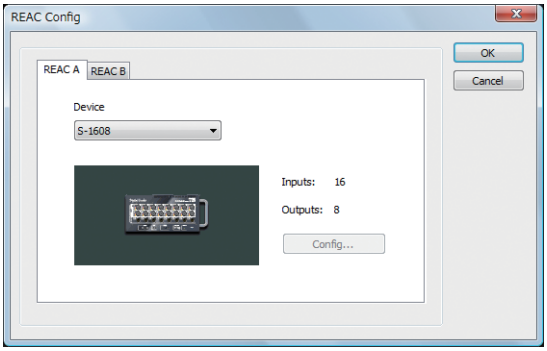
2

M-400 RCS will switch to offline mode.

REAC input/output settings

In offline mode, you can make virtual settings for an input/output unit (e.g., S-1608 stage unit, S-0816 FOH unit, S-4000S 40-channel I/O modular rack) that will later be connected to the M-400 console. This lets you make preamp gain settings or input/output patching ahead of time, to specify the M-400's input/output settings that will be used at the actual performance.

1 **From the "Setup" menu, choose "REAC Config."**



The "REAC Config" dialog box will appear.

2 **Access the "REAC A tab" (or "REAC B" tab).**

3 **From the pulldown menu, select the input/output unit that you will connect to REAC A (or REAC B).**

The pulldown menu gives you the following choices.

(No Device)	No connection
S-1608	S-1608 stage unit
S-0816	S-0816 FOH unit
S-4000S	S-4000S 40-channel I/O modular rack
S-0808	S-0808 8x8 I/O UNIT
S-4000M	REAC MERGE UNIT S-4000M
S-MADI	REAC MADI BRIDGE S-MADI
R-1000	48-TRACK RECORDER/PLAYER R-1000
FOH SPLIT	M-400 split operating as the FOH console (REAC A only)

4 **Access the "REAC B" tab, and make REAC B settings as described in steps 2 and 3.**

MEMO

Settings in the REAC Config dialog box are used to supplement offline mode. When you load a project on the M-400 console itself, or switch to online mode, the settings for the input/output units that are actually connected to the M-400 will be applied.

MEMO

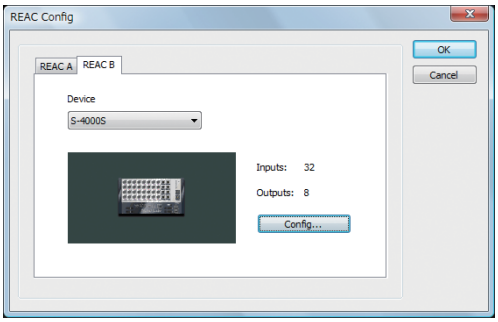
The "REAC Config" dialog box is unavailable in online mode.

MEMO

Choose FOH if the split from another M-400 being operated as a FOH console will be connected to REAC A and used as a monitor/broadcast console.

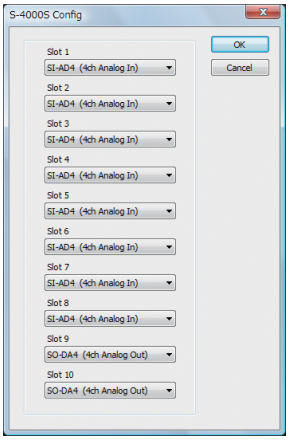
Changing the S-4000S module configuration

If you choose S-4000S in the REAC Config dialog box, a 32-in/8-out configuration will be applied. To change the S-4000S module configuration, proceed as follows.



1

In the REAC Config dialog box, click the "Config" button.



The "S-4000S Config" dialog box will appear.

2

Use the Slot1–Slot10 pulldown menus to specify the module for each slot.

The pulldown menu gives you the following choices.

- Blank (empty slot)
- SI-AD4 (4ch Analog In)
- SI-AES4 (4ch Digital In)
- SO-DA4 (4ch Analog Out)
- SO-AES4 (4ch Digital Out)

3

Press the "OK" button to close the S-4000S Config dialog box.

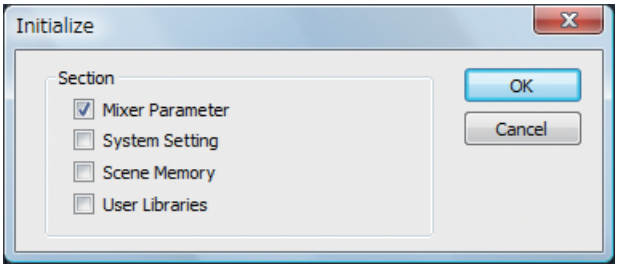
If an error is displayed in step 3, one of the following situations may have occurred. Correct the mistake, and click "OK" once again.

- A module of a differing type is incongruously located between modules; e.g., input module, output module, input module
- A module of a differing type begins at an even-numbered slot
- Only the odd-numbered slot of adjacent odd-numbered/even-numbered slots is blank

Initializing the settings

1

From the "Setup" menu, choose "Initialize."



The "Initialize" dialog box will appear.

2

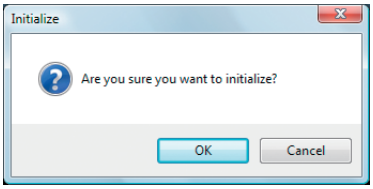
Place a check mark in the sections that you want to initialize.

- Mixer Parameter
- System Setting
- Scene Memory
- User Library

3

Click "OK."

A message box will ask you to confirm the initialization operation.



4

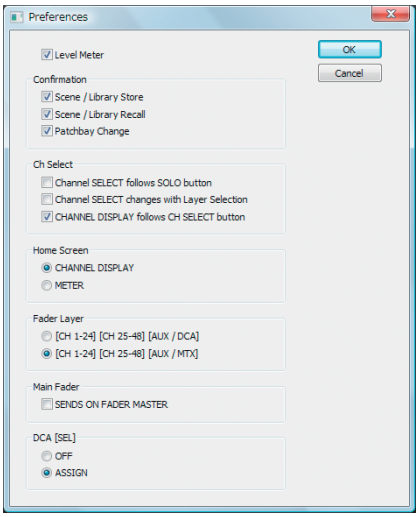
Click "OK" to execute the initialization.

Preference settings

Here's how to make preference settings within M-400 RCS. The settings you make here will not be reflected in the M-400 console.

1

Windows: From the "Setup" menu, choose "Preferences...".
Mac: From the "M-400 RCS" menu, choose "Preferences...".



The "Preferences" dialog box will appear.

2

Select the desired items in the "Preferences" dialog box.

● Level Meter

If you select this, level meter data will be received in online mode.

● Confirmation

These enable/disable various confirmation messages that appear in the basic screen area. A particular type of confirmation message can be enabled by selecting the corresponding check box.

Scene/Library Store	Confirmation messages when storing a scene or library
Scene/Library Recall	Confirmation messages when recalling a scene or library
Patchbay Change	Confirmation messages when changing the input/output patchbay settings

● Ch Select

These items specify what will happen when you select a channel. The items you select will be enabled.

Channel SELECT follows SOLO button	When you press [SOLO], that channel will be selected.
Channel SELECT changes with Layer Selection	When you select a fader layer, the most recently selected channel of that layer will be selected.
CHANNEL DISPLAY follows CH SELECT button	Pressing [SEL] will make the CHANNEL DISPLAY screen appear.

● Home Screen

This chooses the home screen. The screen you select here will be the home

MEMO

If the processing load of M-400 RCS is too great in online mode, you can lighten it by clearing the Level Meter check box.

screen.

CHANNEL DISPLAY	The CHANNEL DISPLAY screen will be used as the home screen.
METER	The METER screen will be used as the home screen.

● Fader Layer

This chooses the fader layer buttons (p. 12).

[CH1-24] [CH25-48] [AUX/DCA]	CH1-24, CH25-48. AUX/DCA buttons
[CH1-24] [CH25-48] [AUX/MTX]	CH1-24, CH25-48, AUX/MTX buttons

● Main Fader

If you select "SENDS ON FADER MASTER", the MAIN fader module becomes the send-destination AUX fader, while the SENDS ON FADER mode is on.

● DCA [SEL]

This selects the operation that pressing [SEL] preforms when DCA 1 through 8 has been called up to the fader module section. The selection items are as indicated below.

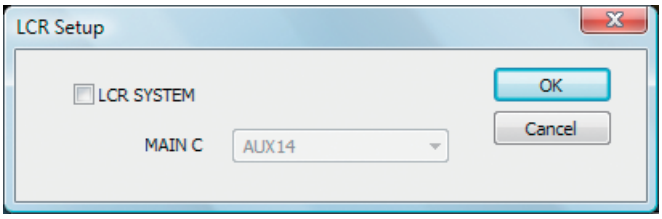
OFF	[SEL] is disabled.
ASSIGN	Access the DCA GROUP ASSIGN popup.

MEMO

The home screen is what appears when you click the button of the currently displayed screen (the button shown in blue).

LCR System settings

1 **From the "Setup" menu, choose "LCR Setup..."**



The "LCR Setup" dialog box will appear.

2 **Use the LCR SYSTEM check box to turn LCR System on/off.**

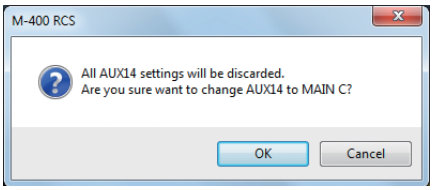
If this check box is selected, LCR System will be on. If it is cleared, LCR System will be off.

3 **If you've selected the LCR SYSTEM check box, use the MAIN C selection box to select the AUX that will be used as MAIN C.**

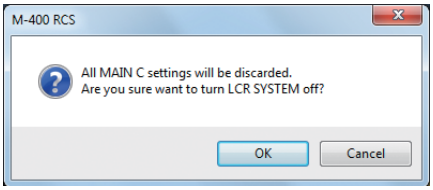
4 **Click "OK."**

A message box will appear, asking you to confirm the operation.

- **If the LCR SYSTEM check box is selected**



- **If the LCR SYSTEM check box is cleared**



5 **Click "OK."**

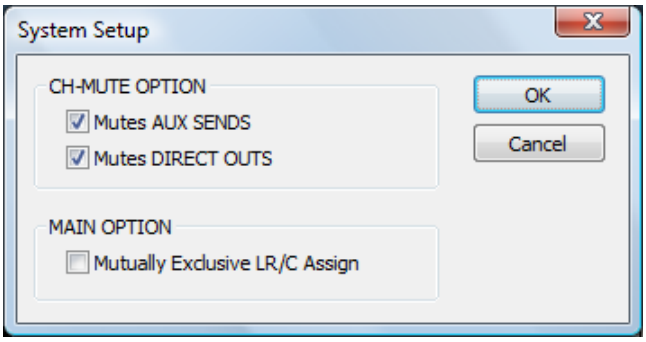
The item shown in the message box of step 4 will be initialized, and the LCR system setting will be changed.

☞ For more information about the LCR features, refer to the M-400 owner's manual (version 2.00 or later).

System settings

1

From the "Setup" menu, choose "System Setup..."



The "System Setup" dialog box will appear.

2

Select the desired items, and then click "OK."

● **CH-MUTE OPTION**

These buttons make the settings for the channel mute options.

Mutes AUX SENDS	If this is checked, muting inputchannel also mutes AUX sends
Mutes DIRECT OUTS	If this is checked, muting input channel also mutes DIRECT OUTs.

● **MAIN OPTION**

These buttons make the settings for the MAIN L/R/C options.

Mutually Exclusive LR/C Assign	If this is checked, exclusion control is performed for sends to MAIN L/R and MAIN C.

M-48 settings

You can manage and make settings for the M-48 Live Personal Mixer in the same way you do from the M-400 console.

M-400 RCS cannot use the following functionality.

- Accessing and operating the M-48 LOAD/SAVE popup
- Monitoring the source in the M-48 SOURCE LEVEL/PAN popup
- Updating the M-48 system program

For details on the M-48 Live Personal Mixer, refer to the "M-48 Owner's Manual."

Making M-48 settings in offline mode

In offline mode, the M-48 list in the M-48 MANAGER popup will show a unit named "Virtual."

Settings you make for the "Virtual" unit can be stored in the M-48 library. Settings from the M-48 library can be applied to a physical M-48 in the following ways.

For details on M-48 settings, refer to the M-400 owner's manual (version 2.00 or later).

Settings made for the "Virtual" unit will be discarded when you switch to online mode. Before switching to online mode, you must save these settings to the M-48 library and then save the project.

- **A project file saved by M-400 RCS can be loaded into the M-400 console.**

  In the SYSTEM screen's LOAD/SAVE popup, select the M-48 LIBRARY check box to load it.

  "Saving a project" (p. 17)

- **Switch M-400 RCS to online mode.**

  The M-48 library data in M-400 RCS can be recalled to a physical M-48 unit.

  "Switching to online mode" (p. 18)

  You cannot perform the following operations for the "Virtual" unit.

  - Edit the unit name "Virtual"
  - Store or recall memories
  - Set the MEMORY SAFE function, or make output mute settings

Even if you switch to online mode, the M-48 library of M-400 RCS and the M-400 console will remain unaffected.

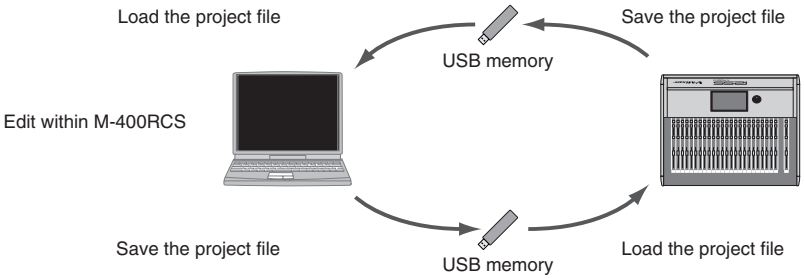
M-48 settings in online mode

The M-48 MANAGER popup will show the M-48 units that are actually connected. You can edit and manage each M-48 unit using the same operations you do from the M-400 console.

For details on M-48 settings, refer to the M-400 owner's manual (version 2.00 or later).

Offline mode

Operation in offline mode

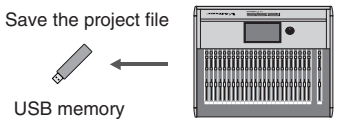


Offline mode lets you edit M-400 project files when you don't have an M-400 console at hand. A project file you've edited using M-400 RCS can be loaded by the M-400 console.

Work flow in offline mode

1

On the M-400 console, save a project file to USB memory.



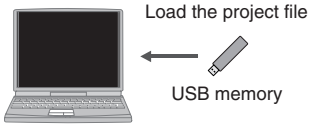
2

Start up M-400 RCS.

A new project will open.

3

In M-400 RCS, open the project file from USB memory.



MEMO

Project files saved by the M-400 console will be located in the "\RSS\M-400\PROJ" folder of the USB memory.

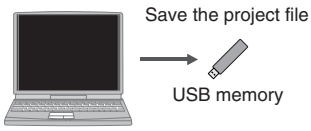
4

Edit the project.

If necessary, use the "Reac Config" dialog box to make REAC input/output configuration settings.

5

Save the project file, either by overwriting the existing file or under a different name.

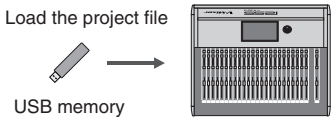


6

Exit M-400 RCS.

7

On the M-400 console, load the project file from USB memory.



When a project file saved by M-400 RCS is loaded by the M-400 console, the following settings will not be loaded.

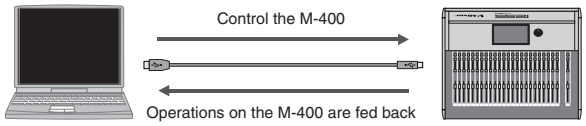
- Settings of the SYSTEM screen (INTERNAL SAMPLING FREQ, BRIGHTNESS, FADER TOUCH SENSE)
- REAC SETUP settings of the REAC CONFIG popup
- Settings of the REMOTE popup
- USER settings

MEMO

If you're saving a project file that you wish to load into the M-400 console, save it in the "\RSS\M-400\PROJ" folder of your USB memory.

Online mode

Operation in online mode



Online mode lets you remotely control the M-400 console from M-400 RCS. Level meter data from the M-400 console and operations performed on the M-400 console are also sent to M-400 RCS.

MEMO

If you've cleared the "Level Meter" check box in the preference settings, level meter data will not be sent from the M-400 console. (**Preference settings** (p. 24))

Synchronization in online mode

In online mode, the following operations are synchronized between M-400 RCS and the M-400 console.

- Mixer parameter operations
- Scene memory recall and store operations
- Scene list editing
- Library recall operations

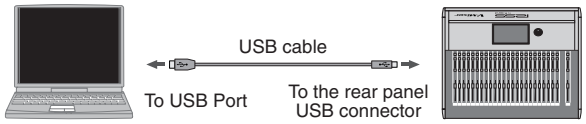
The following operations are not synchronized.

- Switching between screens
- Storing or renaming user library items
- Selection of scene numbers using the [PREV] [NEXT] buttons, etc.

Work flow in online mode

1

Start up the M-400 console, and use a USB cable to connect it to your computer.



2 **Start up M-400 RCS.**

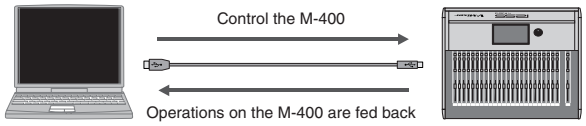
A new project will open.

3 **If necessary, open an existing project file.**

4 **Click the “ONLINE” button to begin synchronizing the project and enter online mode.**

Switching to online mode (p. 18)

5 **In M-400 RCS, remotely control the M-400 console.**



6 **Click the “ONLINE” button to choose offline mode.**

7 **Save the project if desired.**

8 **Exit M-400 RCS.**

Appendix

Warning/error messages

Error messages common to the M-400

Warning/error messages shown in the basic screen area are the same as on the M-400 console. For details on warning/error messages, refer to "Warning/error message list" in the "M-400 owner's manual."

Error messages specific to M-400 RCS

Message	Explanation
Cannot find M-400 console.	The M-400 console was not found. ☞ **Can't get an online connection with the M-400 console** (p. 33)
The M-400 console does not respond.	The console does not respond. ☞ **Can't get an online connection with the M-400 console** (p. 33)
The M-400 console refused the connection.	The console might be busy doing something else intensive. Try again.
The USB connection was broken.	The USB connection or cable has been changed in some way as to cause a disconnect.
Communication error	Communication error has occurred. ☞ **Can't get an online connection with the M-400 console** (p. 33)
S-4000S configuration error	The S-4000S configuration has some problem. ☞ **Changing the S-4000S module configuration** (p. 22)

Troubleshooting

● Can't get an online connection with the M-400 console

- The USB cable is not connected correctly

  ☞ **Connection to the M-400** (p. 7)

- The correct settings have not been made on the M-400 console

  ☞ **Settings on the M-400 console** (p. 7)

- The M-400 Driver is not installed correctly

  ☞ **About the M-400 Driver** (p. 6)

- You're using an incompatible operating system

  ☞ **Operating requirements** (p. 6)

- The data transfer is too fast

  ☞ (p. 19)